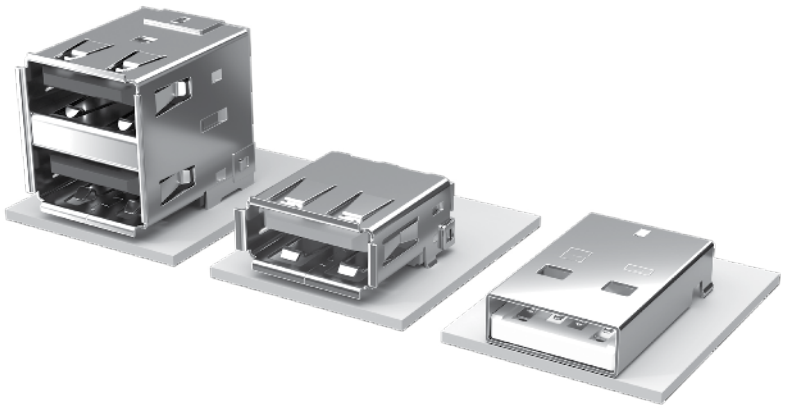


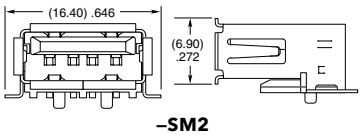
# STANDARD & RUGGED USB 2.0

## USB-A/USBR-A/USB-AM SERIES

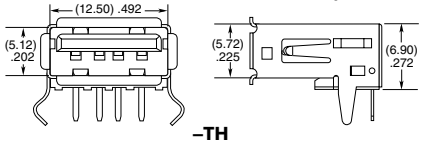
### SPECIFICATIONS

**Insulator Material:**
High Temperature Thermoplastic
**Contact Material:**
Phosphor Bronze
**Plating:**
Gold on Contacts,
Nickel on Shell, Tin on Tails
**Operating Temp Range:**
-50 °C to +85 °C
**Voltage Rating:**
30 VAC/43 VDC
**Cycles:**
1500 (max tested)
**Packaging:**
Packaged and shipped in Bulk Packaging Trays; Trays suitable for automation available
**Lead–Free Solderable:**
–TH & –VU=Yes
(Wave Solder only)
**TID Numbers (USB-A):**
USB-A-D-X-X-TH (61001199)
USB-A-S-X-X-TH (61001180)
USB-A-S-X-X-SM2 (61001152)
**TID Number (USB-AM):**
USB-AM-S-X-X-SM (61001154)

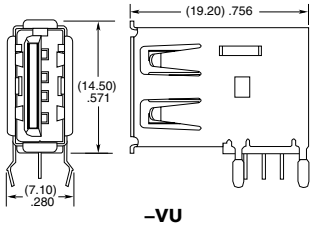
| SERIES | – A – | SHELL TYPE | PLATING | COLOR | TERMINATION |
|---|---|---|---|---|---|
| **USB** = Standard Connector | | **–S** = Single | **–F** = Gold Flash on Mating Area, Tin on Tails | **–B** = Black (USB only) | **–TH** = Through-hole |
| **USBR** = Increased Retention Connector (Complies with Class 1, DIV II minimum withdrawal requirement of 15N.) | | **–D** = Double (–TH option only) | **–S** = 30 µ" (0.76 µm) Gold on Mating Area, Tin on Tails | **–W** = White (USB only) | **–SM2** = Surface Mount (USB only) |
| | | | | **–O** = Orange (USBR only) | **–VU** = Upright, Through-hole |



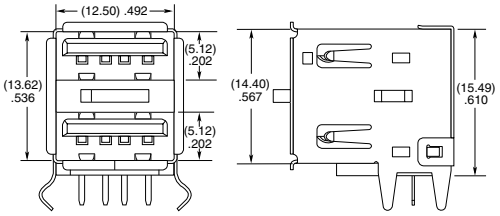

**–SM2**




**–TH**



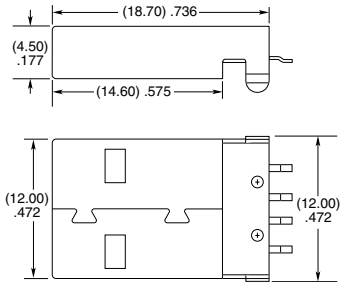

**–VU**



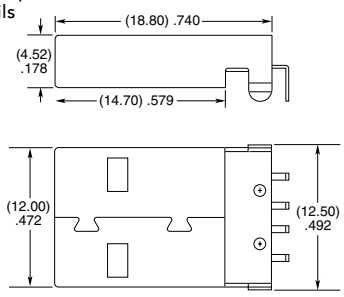

**–D (Requires –TH)**

View complete specifications at: **samtec.com?USB-A** or **samtec.com?USBR-A**

| USB | – TYPE | – SHELL TYPE | – PLATING | – COLOR | – TERMINATION |
|---|---|---|---|---|---|
| | **–AM** = A Type (Plug) | **–S** = Single | **–F** = Gold Flash on Mating Area, Tin on Tails | **–B** = Black | **–TH** = Through-hole |
| | | | | **–W** = White | **–SM1** = Surface Mount |
| | | | **–S** = 30 µ" (0.76 µm) Gold on Mating Area, Tin on Tails | | |




**–SM1**




**–TH**

View complete specifications at: **samtec.com?USB-AM**



Unless otherwise approved in writing by Samtec, all parts and components are designed and built according to Samtec's specifications which are subject to change without notice.